

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL
Form ACO-1
September 1999
Form Must Be Typed

RECEIVED
AUG 03 2010 7/29/12

KCC WICHITA

Operator: License # 3882
 Name: SAMUEL GARY JR. & ASSOCIATES, INC.
 Address: 1515 WYNKOOP ST., STE 700
 City/State/Zip: DENVER, CO 80202-4838
 Purchaser: GARY-WILLIAMS ENERGY CORPORATION
 Operator Contact Person: CLAYTON CAMOZZI
 Phone: (303) 831-4673
 Contractor: Name: VAL ENERGY
 License: 5822
 Wellsite Geologist: TIM HEDRICK
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____
 _____ 4/6/10 _____ 4/12/10 _____ 4/19/10
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

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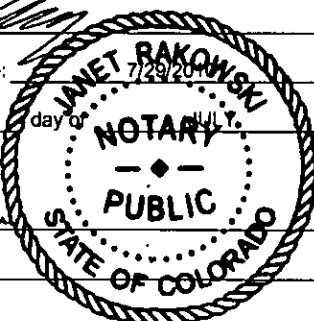
API No. 15 - 009-25406-0000
 County: BARTON
 NW NE SW NE SE Sec. N1 Twp. 18 S. R. 12 East West
1360 feet from NORTH Line of Section
1750 feet from EAST Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: LIEBL Well #: 1-1
 Field Name: WILDCAT
 Producing Formation: ARBUCKLE
 Elevation: Ground: 1842' Kelly Bushing: 1852'
 Total Depth: 3500' Plug Back Total Depth: 3476'
 Amount of Surface Pipe Set and Cemented at 338 Feet
 Multiple State Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AF INJ 8-9-10
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume _____ bbls
 Dewatering method used _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South Market-Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____
 Title: GEOLOGIST Date: 7/29/2010
 Subscribed and sworn to before me this 29TH day of _____
 2010
 Notary Public: Janet Rakowski
 Date Commission Expires: 06/05/2013



KCC Office Use ONLY
 Letter of Confidentiality Attached 7/29/10 - 7/29/12
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

My Commission Expires 06/05/2013

Operator Name: SAMUEL GARY JR & ASSOCIATES, INC. Lease Name: LIEBL Well #: 1-1
Sec. 1 Twp. 18 S. R. 12 East West County: BARTON

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INSTRUCTIONS: Show important tops and base of formation penetrated. Detail all cores. Report all final copes of drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geologist well site report.

Drill Stem Tests Taken [X] Yes [] No [X] Log Formation (Top), Depth and Datum [] Sample
Sample Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No
List All E. Logs Run: DUAL INDUCTION, DENSITY - NEUTRON, SONIC LOG, MICROLOG

Table with 3 columns: Name, Top, Datum. Rows include TOPEKA, HEEBNER, DOUGLAS, LANSING, ARBUCKLE, TD.

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CASING RECORD [X] New [] Used
Report all strings set - conductor, surface, intermediate, production, etc.
Table with 8 columns: Purpose of string, Size Hole Drilled, Size Casing Set, Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives.

ADDITIONAL CEMENTING/SQUEEZE RECORD
Table with 5 columns: Purpose, Depth Top/Bottom, Type of Cement, # Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type
Acid. Fracture, Shot, Cement, Squeeze Record
Table with 4 columns: Shots per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth.

TUBING RECORD
Date of First, Resumed Production, SWD or Enhr.
Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)
Estimated Production Per 24 Hours: Oil 20 Bbls., Gas 0 Mcf, Water 10 Bbls., Gas-Oil Ratio, Gravity

Disposition of Gas [] Vented [] Sold [] Used on Lease
METHOD OF COMPLETION [] Open Hole [X] Perf. [] Dually Comp. [] Commingled [] Other (Specify)
Production Interval 3383'-93'



Quality Oilwell Cementing, Inc
 740 Wichita Avenue
 PO Box 32
 Russell, KS 67665
 Phone # 785-324-1041

1004-AP-47⁹

S/b

Invoice

Date	Invoice #
4/8/2010	3975
Terms	
Net 30	
Due Date	5/8/2010

Bill To
Samuel Gary Jr & Associates Inc P.O. BOX 448 RUSSELL KS 67665

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P.O. No.

Quantity	Description	Amount
190	Common	1,995.00T
4	GEL	68.00T
7	Calcium	294.00T
201	Handling of Product	402.00
1	MILEAGE	300.00
1	Surface Pipe 0-500ft	450.00
30	Pump Truck Charge-Mileage	210.00
471	DISCOUNT-Only Applicable if payment is received within terms from Invoice Date	-471.00T
272	DISCOUNT-Only Applicable if payment is received within terms from Invoice Date	-272.00
	LEASE: LIEBEL WELL #1-1 Barton County Sales Tax	118.82

022 10 2010

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DRLG COMP W/O LOE

AFE # _____
 ACCT # 8200-138

APPROVED BY

Thank you for your business.	Total	\$3,094.82
------------------------------	--------------	------------

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3975

Date	4-7-10	Sec.	1	Twp.	13	Range	12	County	Raton	State	Ks	On Location	Finish	4:00 AM		
Lease	LIEBEL			Well No.	1-1			Location							Odm Blk TOP on Hwt 4	
Contractor	Val Dels #6							Owner	1/2 E S into							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4			T.D.	336			Charge To	Sam GARY JR & ASSOC							
Csg.	8 5/8			Depth	336			Street								
Tbg. Size				Depth				City							State	
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.				Shoe Joint	15			Cement Amount Ordered								
Meas Line				Displace	20.5 Bbl											

EQUIPMENT

Pumptrk	9	No.	Cement Helper	Paul	Common	190 @ 10.50
Bulktrk	11	No.	Driver	JASON	Poz. Mix	
Bulktrk	PU	No.	Driver	TOON	Gel.	4 @ 17.00

JOB SERVICES & REMARKS

Remarks:	Run @ 3 1/2 8 5/8 23'					
Rat Hole	Hulls					
Mouse Hole	Salt					
Centralizers	Flowseal					
Baskets	Kol-Seal					
D/V or Port Collar	Mud CLR 48					
MIX Pump	CFL-117 or CD110 CAF 38					
190 x Common	Sand					
2 1/2 Gel 3 1/2 CC	Handling 201 @ 7.00					
15" gal 1.36 ft ³	Mileage .08 PER SK PER MI					

FLOAT EQUIPMENT

Disp 20.5 Bbl total	Guide Shoe	
Close Value on csg 250"	Centralizer	
3.15 Bbl	Baskets	
Good Good the job	AFU/Inserts	
	Float Shoe	
	Latch Down	
	1 1/2 SWEDE (R)	
	Pumptrk Charge	Surface 450.00
	Mileage	30 @ 7.00 210.00

Thank you
TOON Paul JASON
Signature *Paul J. Dels*

PLEASE COPY KEYS

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Tax	
Discount	
Total Charge	

KCC 11/10/10



1004-AP-536

BASIC
ENERGY SERVICES

5/6

PAGE 1 of 2	CUST NO 1003682	INVOICE DATE 04/14/2010
INVOICE NUMBER 1718 - 90291073		

Pratt (620) 672-1201
 B SAMUEL GARY JR. & ASSOCIATES
 I PO Box: 448
 L RUSSELL
 L KS US 67665
 T
 O ATTN:

J LEASE NAME Hebi 1-1
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40170940	20920		Net - 30 days	05/14/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/12/2010 to 04/12/2010</i>				
0040170940				
171801704A Cement-New Well Casing/Pi 04/12/2010 5 1/2" Longstring				
Cement	75.00	EA	6.60	495.00 T
60/40 POZ				
Cement	125.00	EA	6.05	756.25 T
50/50 POZ				
Additives	31.00	EA	2.04	63.09 T
Cello-flake				
Calcium Chloride	210.00	EA	0.58	121.28 T
Calcium Chloride				
Additives	625.00	EA	0.41	257.81 T
Cal-Set				
Additives	104.00	EA	4.13	429.00 T
FLA-322				
Additives	210.00	EA	0.14	28.88 T
Cement Gel				
Additives	1,000.00	EA	0.37	368.50 T
Gilsonite				
Cement Float Equipment	1.00	EA	220.00	220.00
Latch Down Plug & Baffle 5 1/2" (Blue)				
Cement Float Equipment	1.00	EA	198.00	198.00
Auto Fill Float Shoe 5 1/2" (Blue)				
Cement Float Equipment	8.00	EA	60.50	484.00
Turbolizer 5 1/2" (Blue)				
Additives	4.00	EA	19.25	77.00 T
CS-1L KCL Substitute				
Additives	500.00	EA	0.84	420.75 T
Super Flush II				
Pickup	70.00	HR	2.34	163.62
Unit Mileage Charge-Pickups, Vans & Cars				
Mileage	140.00	MI	3.85	539.00

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 SAMUEL GARY JR.
 & ASSOCIATES, INC.

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DRLG COMP W/O LOE

AFE # _____
 ACCT # 9200-138
 APPROVED BY AB

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PAGE 2 of 2	CUST NO 1003682	INVOICE DATE 04/14/2010
INVOICE NUMBER 1718 - 90291073		

Pratt (620) 672-1201
 B SAMUEL GARY JR. & ASSOCIATES
 I PO Box: 448
 L RUSSELL
 L KS US 67665
 T
 O ATTN:

J LEASE NAME Hebi 1-1
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40170940	20920		Net - 30 days	05/14/2010	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Heavy Equipment Mileage					
Mileage		595.00	MI	0.88	523.60
Proppant and Bulk Delivery Charges					
Pump Charge-Hourly		1.00	HR	1,187.99	1,187.99
Depth Charge; 3001-4000'					
Mileage		200.00	MI	0.77	154.00
Blending & Mixing Service Charge					
Extra Equipment		1.00	EA	110.00	110.00
Casing Swivel Rental					
Cementing Head w/Manifold		1.00	EA	137.50	137.50
Plug Container Utilization Charge					
Supervisor		1.00	HR	96.25	96.25
Service Supervisor Charge					

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,831.52
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	190.11
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	7,021.63
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 1704 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>4-12-10</u> DISTRICT <u>KANSAS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>SAM GARY JR. ASSC. INC</u>		LEASE <u>Hebi</u> 1-1 WELL NO.							
ADDRESS <u>1112 W. 1633</u>		COUNTY <u>Barton</u> 1-18-12 STATE <u>KANS.</u>							
CITY _____ STATE _____		SERVICE CREW <u>A. Worth, J. Melson, D. P. King</u>							
AUTHORIZED BY _____		JOB TYPE: <u>5 1/2" L.S.</u> <u>CNW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443</u>	<u>1</u>						<u>4-12-10</u>	<u>PM</u>	<u>8:30</u>
<u>19959-20920</u>	<u>1</u>					ARRIVED AT JOB	<u>4-12-10</u>	<u>PM</u>	<u>1:30</u>
<u>19960-19918</u>	<u>1</u>					START OPERATION	<u>4-12-10</u>	<u>PM</u>	<u>8:15</u>
						FINISH OPERATION	<u>4-12-10</u>	<u>PM</u>	<u>9:15</u>
						RELEASED	<u>4-12-10</u>	<u>PM</u>	<u>9:45</u>
						MILES FROM STATION TO WELL <u>70 miles</u>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 Por		75-SK		\$ 900.00
CP104	50/50 Por		125-SK		\$ 1375.00
CC102	cell FLAKE		31-1b		\$ 144.70
CC109	CALCIUM Chloride		210-1b		\$ 220.50
CC113	CAL-set		635-1b		\$ 468.75
CC129	FLA-322		104-1b		\$ 780.00
CC200	Cement Gel		210-1b		\$ 52.50
CC201	Gilsonite		1000-1b		\$ 670.00
CF607	Latch down Plug + Baffle 5/2" (Blue)		1- EA		\$ 400.00
CF1251	Auto fill Float Shoe 5/2" (Blue)		1- EA		\$ 360.00
CF1651	Turbolizer 5/2" (Blue)		8- EA		\$ 880.00
C704	CS-16 KCL SUB.		4-gal		\$ 140.00
CC155	Super flush II		500-gal		\$ 765.00
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SUB TOTAL DLS

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE Allen F. Worth

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

KCC
M. 7 8 300

Customer <i>Sam Gary TR + ANSC, Inc</i>		Lease No. <i>1-1</i>		Date <i>4-12-10</i>	
Lease <i>Hebi</i>		Well # <i>1-1</i>		State <i>KANS.</i>	
Field Order # <i>17181704A</i>	Station <i>Pratt KS</i>	Casing <i>5/2</i>	Depth	County <i>Barton</i>	State <i>KANS.</i>
Type Job <i>3/2 L.S.</i>	Formation <i>CNW</i>		Legal Description <i>1-18-12</i>		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5/2</i>			<i>12 BBLs</i>	<i>Superflush II</i>				
Depth <i>3498</i>	Depth	From	To	Pre. Pad <i>60/40 Poz scavenger</i>	Max <i>17#</i>		5 Min.	
Volume <i>82.7 BBL</i>	Volume	From	To	Pad <i>50/50 Poz @ 13.8#</i>	Min <i>13.8#</i>		10 Min.	
Max Press <i>1500#</i>	Max Press	From	To	Frac <i>100/40 Poz Plug</i>	Avg <i>R.H. & M.H</i>		15 Min.	
Well Connection <i>1 1/2</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3476</i>	Packer Depth	From	To	Flush <i>Disp 2% KCL</i>	Gas Volume		Total Load	

Customer Representative <i>Kelly Brannum</i>	Station Manager <i>scotty</i>	Treater <i>Allen F Worth</i>
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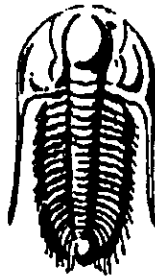
Service Units	<i>28443</i>	<i>19959</i>	<i>20920</i>	<i>19960</i>	<i>19918</i>				
Driver Names	<i>Worth</i>	<i>Joe</i>	<i>Nelson</i>	<i>Dale</i>	<i>Phye</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
<i>1:30 AM</i>					<i>0+5 casing, CNW Service Log VAL # 6 on box. Discuss Safety, Setup, Plan Job. Rig Laying down D.P.</i>
<i>4:55</i>					<i>START 5/2 15.5# casing. S.J. 21.69 w/ float shoe + L.D. Baffle in collar. rent 1-3-5-7-9-11-13-15</i>
<i>7:15</i>					<i>Tag Bottom @ 3500 Hookup & CIR. @ 3498 - good CIR. Rotate Pipe</i>
<i>8:15</i>	<i>200#</i>		<i>20</i>	<i>5</i>	<i>Pump 20 BBLs H₂O.</i>
			<i>12</i>	<i>5</i>	<i>Pump 12 BBLs super flush II</i>
			<i>3</i>	<i>5</i>	<i>Pump 3 BBLs H₂O spacer</i>
			<i>9</i>	<i>5</i>	<i>Pump 25 sks 60/40 Poz scavenger @ 12#</i>
					<i>Pump 125 sks 50/50 Poz @ 13.8#</i>
			<i>34</i>		<i>Finish mix - wash out Pump & Line</i>
<i>8:35</i>	<i>400#</i>			<i>6</i>	<i>Drop L.D. Plug + Start Disp cap. 82.7</i>
				<i>5</i>	<i>caught lift PSI w/ 64 BBLs out</i>
<i>9:00</i>	<i>1500#</i>		<i>82.7</i>	<i>4</i>	<i>Plug down</i>
	<i>0#</i>				<i>Release PSI - 0# float OK</i>
					<i>Plug R.H. w/ 30 sks 60/40 Poz</i>
					<i>Plug M.H w/ 20 sks 60/40 Poz</i>
					<i>wash up & Rack up Equip.</i>
<i>9:45</i>					<i>Job complete thanks Allen, Joe, Dale</i>

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Associates, Inc.**

1515 Wynkoop
Suite 700
Denver, CO 80202

ATTN: Clayton Camozzi

1 18S 12W Barton KS

Liebl #1-1

Start Date: 2010.04.10 @ 19:40:16

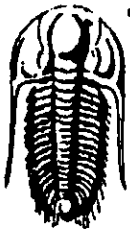
End Date: 2010.04.11 @ 03:25:46

Job Ticket #: 37132 DST #: 1

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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

Liebl #1-1

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Clayton Camozzi

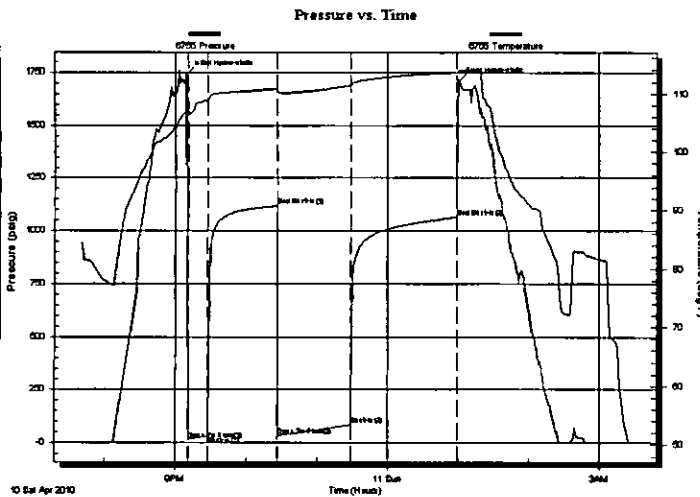
1 18S 12W Barton KS
Job Ticket: 37132 DST#: 1
Test Start: 2010.04.10 @ 19:40:16

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 21:10:16
 Time Test Ended: 03:25:46
 Interval: **3400.00 ft (KB) To 3409.00 ft (KB) (TVD)**
 Total Depth: **3409.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Jason McLemore**
 Unit No: **32**
 Reference Elevations: **1852.00 ft (KB)**
1842.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 6755 Inside
 Press@RunDepth: **80.82 psig @ 3401.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.04.10** End Date: **2010.04.11** Last Calib.: **2010.04.11**
 Start Time: **19:40:18** End Time: **03:25:46** Time On Btm: **2010.04.10 @ 21:09:16**
 Time Off Btm: **2010.04.11 @ 01:00:46**

TEST COMMENT: IFP-Weak Blow ,Built to 4"
 IS-Dead
 FFP-Fair Blow ,BOB in 55 Min.
 FS-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.03	106.89	Initial Hydro-static
1	16.48	106.46	Open To Flow (1)
18	31.26	108.82	Shut-In(1)
77	1118.93	110.88	End Shut-In(1)
77	32.80	110.37	Open To Flow (2)
140	80.82	111.39	Shut-In(2)
230	1065.54	113.54	End Shut-In(2)
232	1709.09	113.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	Clean Oil	1.47
60.00	VSOCMW-2%O-85%W-13%M	0.84
0.00	45' Gas In Pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Associates, Inc.

Liebl #1-1

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Clayton Camozzi

1 18S 12W Barton KS
Job Ticket: 37132 **DST#: 1**
Test Start: 2010.04.10 @ 19:40:16

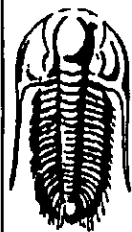
Tool Information

Drill Pipe:	Length: 3385.00 ft	Diameter: 3.80 inches	Volume: 47.48 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume:	47.48 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3400.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3373.00	
Shut In Tool	5.00			3378.00	
Hydraulic tool	5.00			3383.00	
Jars	5.00			3388.00	
Safety Joint	2.00			3390.00	
Packer	5.00			3395.00	28.00 Bottom Of Top Packer
Packer	5.00			3400.00	
Stubb	1.00			3401.00	
Recorder	0.00	6755	Inside	3401.00	
Recorder	0.00	8360	Outside	3401.00	
Perforations	5.00			3406.00	
Bullnose	3.00			3409.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 17000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.20 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4200.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	Clean Oil	1.473
60.00	VSOCMV-2%O-85%W-13%M	0.842
0.00	45' Gas In Pipe	0.000

Total Length: 165.00 ft Total Volume: 2.315 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .505 @ 50F = 17000 ppm chlorides

